

Mouse anti-Epithelial Specific Antigen / ESA / Ep-CAM

Cat. No. and Size: **505-11174:** 1 ml purified immunoglobulin in 10 mM PBS/1 % BSA buffer pH 7.4 with 0.1 % sodium azide.
505-11171: 7 ml prediluted antibody in a 50 mM Tris/1 % BSA buffer pH 7.6 with 0.1 % sodium azide.

Intended Use: For research use only. Not for use in diagnostic procedures.
Clone: SPM491
Immunogen: Recombinant human ESA protein expressed in E. coli.
Ig Isotype: Mouse IgG1-kappa
Epitope: Not determined
Molecular Weight: 40 - 43 kDa
Species Reactivity: Human (tested). Others not tested.

Description: EGP40 is a 40 kDa transmembrane epithelial glycoprotein, also identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). It is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas. It reportedly distinguishes adenocarcinomas from pleural mesotheliomas.

Applications: Immunohistochemistry (IHC) on formalin-fixed, paraffin-embedded tissue sections.

IHC Procedure: **Antibody Dilution:** If using the concentrate format of this product, dilute the antibody 1:100. The dilutions are estimates; actual results may differ because of variability in methods and protocols.
Antigen Retrieval: Boil tissue section in 10 mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.
Primary Antibody incubation: Incubate for 30 minutes at RT.

Positive Control: Breast carcinoma
Cellular Localization: Membrane

Storage and Stability: Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. Every antibody is expiration dated. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date. There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.

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Explanation of the symbols on the product label:

REF	Bestellnummer Catalog Number Reference du catalogue		Verwendbar bis Use By Utiliser jusque		Gebrauchsanweisung beachten Consult Instructions for use Consulter les instructions d'utilisation
LOT	Chargenbezeichnung Batch Code Code du lot		Lagerungstemperatur Temperature Limitation Limites de température	RUO	Nur für Forschungszwecke For Research Use Only Pour la recherche uniquement
IVD	In vitro Diagnostikum In Vitro Diagnostic Medical Device Dispositif médical de diagnostic in vitro		Achtung Warning Attention		Hersteller / Manufacturer / Fabricant Zytomed Systems GmbH • Anhaltinerstraße 16 14163 Berlin, Germany • Tel: (+49) 30-804 984 990 www.zytomed-systems.de